



Spatiotemporal dynamics of rotavirus disease in Europe: Can climate or demographic variability explain the patterns observed

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Abstract:

We found a south to north movement of rotavirus activity across Europe. Lower birth rates, higher winter temperatures, and higher winter rainfall were associated with variations in timing of rotavirus activity between European countries but not with temporal variations within countries. Patterns of rotavirus activity are likely to be driven by a complex interaction of population, virus, and environmental factors.

Source: <http://dx.doi.org/10.1097/INF.0b013e3181d06fcd>

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Precipitation, Temperature

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Non-United States

Non-United States: Europe

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Foodborne/Waterborne Disease

Foodborne/Waterborne Disease: Rotavirus

Mitigation/Adaptation:

Climate Change and Human Health Literature Portal

mitigation or adaptation strategy is a focus of resource

Adaptation

Population of Concern: A focus of content

Population of Concern: ☒

populations at particular risk or vulnerability to climate change impacts

Children

Resource Type: ☒

format or standard characteristic of resource

Research Article

Timescale: ☒

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment: ☒

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content